

26. (Once Amended) The method of Claim 21, wherein each well is positioned on said frame so as to enable a Society of Biomolecular Screening compatible liquid handling system to automatically deposit the protein solution and the reagent solution into said first well and to automatically deposit the reagent solution into said second well.

31. (Once Amended) The method of Claim 29, wherein said first well and said second well are adjacent to one another.

37. (Added) A protein crystallography plate, comprising:
a frame made from cyclo-olefin that includes a plurality of wells formed therein, each well is also made from cyclo-olefin and includes:

a first well including a relatively small reservoir capable of receiving a protein solution and a reagent solution; and

a second well including a relatively large reservoir capable of receiving a reagent solution that has a higher concentration than the reagent solution within said first well, wherein the protein solution and the reagent solution within said first well interact with the reagent solution within said second well via a vapor diffusion process which enables the formation of protein crystals within said first well.

38. (Added) The protein crystallography plate of Claim 37, wherein said first well and said second well overlap one another.

39. (Added) The protein crystallography plate of Claim 37, wherein said first well and said second well are adjacent to one another.

40. (Added) The protein crystallography plate of Claim 37, wherein said first well and said second well are connected to one another by a channel.

41. (Added) The protein crystallography plate of Claim 37, wherein said frame has a footprint capable of being handled by a robotic handling system.

42. (Added) The protein crystallography plate of Claim 37, wherein each well is positioned on said frame so as to enable a liquid handling system to automatically deposit the protein solution and the reagent solution into said first well and to automatically deposit the reagent solution into said second well.

43. (Added) A method for using a microplate to form protein crystals, said method comprising the steps of:

prepping the microplate which is made from cyclo-olefin and includes a frame having a plurality of wells formed therein where each well includes a first well having a relatively small reservoir and a second well having a relatively large reservoir, said step of prepping further includes:

depositing into the first well a protein solution and a reagent solution; and

depositing into the second well a reagent solution that has a higher concentration than the reagent solution deposited into the first well; and

sealing an opening of each well to enable the protein solution and the reagent solution within the first well to interact with the reagent solution within the second well via a vapor diffusion process which leads to the formation of protein crystals within the first well.

09
44. (Added) The method of Claim 43, wherein said first well and said second well overlap one another.

45. (Added) The method of Claim 43, wherein said first well and said second well are adjacent to one another.

46. (Added) The method of Claim 43, wherein said first well and said second well are connected to one another by a channel.

47. (Added) The method of Claim 43, wherein said microplate has a footprint capable of being handled by a robotic handling system.

48. (Added) The method of Claim 43, wherein each well is positioned on said frame so as to enable a liquid handling system to automatically deposit the protein solution and the reagent solution into said first well and to automatically deposit the reagent solution into said second well.

49. (Added) A method for making a microplate, said method comprising the steps of:
injecting molten cylco-olefin into a mold cavity that includes sections shaped to form said microplate,
said microplate includes:

a frame having a plurality of wells formed therein, each well including:
a first well having a relatively small reservoir; and
a second well having a relatively large reservoir positioned near the relatively small
reservoir of the first well; and
cooling the cylco-olefin to create said microplate.

50. (Added) The method of Claim 49, wherein said first well and said second well overlap one
another.

51. (Added) The method of Claim 49, wherein said first well and said second well are adjacent to
one another.

52. (Added) The method of Claim 49, wherein said first well and said second well are connected to
one another by a channel.

53. (Added) The method of Claim 49, wherein said frame has a footprint capable of being handled
by a robotic handling system.

54. (Added) The method of Claim 49, wherein each well is positioned on said frame so as to
enable a liquid handling system to automatically deposit a sample solution into said first well and to
automatically deposit a reagent solution into said second well.--